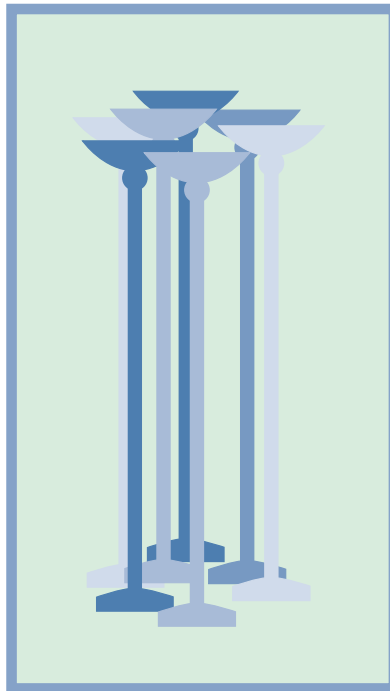


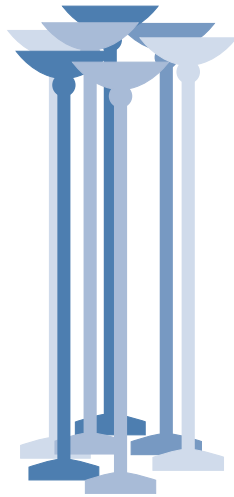
# Energy-Efficient Torchiere Swap Guide



## Lessons Learned from Past Torchiere Programs



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While we have seen a successful spread of this technology and market acceptance from past CFL torchiere implementation programs, we have also learned from past mistakes. The following list summarizes important lessons we have learned.

**The single-most important element to a successful torchiere swap is getting a strong commitment at both the management and facilities levels for the project.** To make a case for getting support, inform management of the financial and safety benefits. Make sure to notify management and facilities of all steps of the program and include them in the planning when appropriate.

**Efficient logistical organization is key.**

Especially if you are trying for 100% replacement, an efficient tracking system of how many people turned in halogens and how many people got CFL

torchieres will help the success of your event. This is particularly important in communities with a large turnover rate like military housing and dorm rooms.

**Make sure to obtain a product performance guarantee.**

CFL torchieres, similar to halogens, are made in a variety of quality levels. The first time a utility facilitated a CFL torchiere demonstration program, they chose a model that had no product performance rating. They simply bought the least expensive torchiere available. As a result, many of their customers were given torchieres that didn't work properly or broke shortly after installation. It was a tremendous setback in their program and they had to start over with a new torchiere model. To avoid this problem, test out two or three torchieres from your manufacturer a few months before distributing them to your residents. If



*Dr. Siminovitch gets filmed during the Bolling Air Force Base swap-out to publicize the event and educate viewers on the safe alternative to halogen torchieres.*

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possible, ask people who have owned them or organizations that have facilitated torchiere implementation programs if they are satisfied with their torchieres. Make sure your torchieres carry a manufacturer's warrantee.

## **To ensure maximum participation:**

- Emphasize home safety concerns.
- Hold a pre-swap event.
- Invite local safety figures, such as the fire marshal, to speak.
- Involve the media to reach people that can't attend.
- Show safety demonstrations: frying eggs in a pan over a halogen torchiere, or burning

curtains or paper by touching them to a halogen bulb often brings the safety message home.

## **Stock replacement torchieres and replacement bulbs.**

Bolling Air Force Base discovered the need to have extra replacement bulbs available. Sometimes people inadvertently drop the lamps and break them before they get installed. Either ask the manufacturer to send some spare bulbs or find out where you can buy them ahead of time.

## **Offer a variety of torchiere choices, if possible.**

If you have the chance to offer more than one



*Stanford University students get interviewed at their torchiere swap-out.*





*Old halogen torchieres begin to pile up during the Stanford swap-out.*

style or color, people often appreciate the opportunity to choose. In past programs where only one type of torchiere was available, participants frequently asked about other possibilities.

**Make arrangements for swapping the old halogens ahead of time.**

In doing swap programs, the number of traded-in halogen torchieres adds up. At Stanford University's swap-out, they had dumpsters full of old halogen fixtures by the end of the day. Make sure the unsafe, inefficient, halogen fixtures are removed. Don't let people walk off with them, it will defeat the purpose of your program. If you plan to recycle them, find out who offers the service you need before your event takes place.

**Establish a maintenance program to replace burnt-out and broken bulbs.**

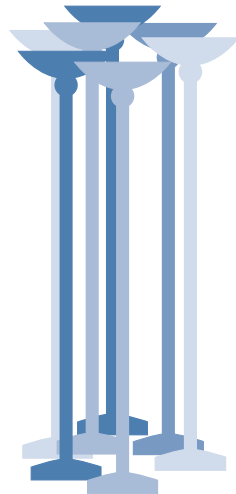
If you facilitate torchiere programs regularly, you should establish a maintenance program to replace the bulbs. CFL bulbs look different than incandescents, and torchiere users do not always realize how to change them or where to buy them. While they last an average of seven years, they can break and need replacing at any time. A bulb maintenance program could ensure that torchieres remain in use for many bulb lives.



*Popular Science Magazine recognized Berkeley Lab's torchiere research in its 1997 "Best of What's New" edition. The magazine editors awarded Berkeley Lab with the Grand Award for Home Technology for their development of safe torchiere lighting.*

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## **Log on to FEMP's New Technology Demonstration Program Web site**

<http://www.eren.doe.gov/femp/prodtech/newtechdemo.html>

You will find links to:

- An overview of the New Technology Demonstration Program
- Information of the program's technology demonstrations
- Downloadable versions of program publications in Adobe Portable Document Formats (PDF)
- A list of new technology projects underway
- Electronic access to the program's regular mailing list for new products when they become available
- How Federal agencies may submit requests for the program to assess new and emerging technologies



## **For More Information:**

### **FEMP Help Desk**

(800) 363-3732

International callers please use

(703) 287-8391

Web site: [www.eren.doe.gov/femp](http://www.eren.doe.gov/femp)

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